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AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Currently amended): A computer-implemented method for dynamically paginating comprising:
 - processing a document of at least text as a plurality of segments;
 - determining a plurality of page breaks within a predetermined segment and pouring text of the predetermined segment into a series of predetermined slots of a first page organized into at least one column of the first page until the slots have been processed, the text comprising a plurality of lines, the pouring including:
 - determining whether a current line refers to an image;
 - determining whether the image has sufficient room on the page to fit given previously filled slots on the page and rescaling of the image; and
 - accommodating the image on the page by decreasing in size subsequent slots;
 - rendering a predetermined page within the predetermined segment; and
 - displaying the predetermined page.
2. (Currently amended): The method of claim 1, wherein processing a document of at least text as a plurality of segments comprises assembling the document into the plurality of segments.
3. (Currently amended): The method of claim 1, wherein processing a document of at least text as a plurality of segments comprises dividing the document into the plurality of segments.
4. (Currently amended): The method of claim 1, wherein determining a plurality of page breaks within a predetermined segment further comprises:
 - ~~pouring text of the predetermined segment into a series of predetermined slots of a first page organized into at least one column of the first page, until the slots of the first page have been processed;~~
 - denoting a page break; and,

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repeating pouring the text into successive pages and denoting a page break until the text is depleted.

5. (Currently amended): The method of claim 1 ~~[[4]]~~, wherein pouring the text into a series of predetermined slots comprises:

from a current position in the text, determining a maximum number of words that fit into a current slot;

advancing the current position in the text to a next word after the maximum number of words that fit into the current slot; and,

advancing the current slot to a next slot and repeating until the slots of the page have been processed.

6. (Currently amended): A computer-implemented method for dynamically paginating a document having a plurality of segments comprising:

entering a predetermined segment of the document into memory, the predetermined segment comprises a plurality of text lines;

determining each of a plurality of page breaks within the predetermined segment of the document;

pouring the text lines into a series of predetermined slots of a page organized into at least one column of the page until the slots have been processed, the pouring comprising:

ascertaining whether a current line references an image;

determining the image size in relation to slots previously filled and a rescaling factor associated with the image;

rendering the image if there is sufficient room on the page for the image to fit; and

decreasing in size subsequent slots on the page as necessary; and,

storing the plurality of page breaks within the predetermined segment of the document in the memory.

7. (Currently amended): The method of claim 6, further comprising ~~wherein determining each of a plurality of page breaks within the predetermined segment of the document comprises:~~

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~~pouring text of the predetermined segment into a series of predetermined slots of a page organized into at least one column of the page, until the slots of the page have been processed;~~
denoting a page break; and,
repeating pouring the text into a next page until finished.

8. (Currently amended): The method of claim 6 ~~[[7]]~~, wherein pouring the text into a series of predetermined slots comprises:

from a current position in the text, determining a maximum number of words that fit into a current slot;

advancing the current position in the text to a next word after the maximum number of words that fit into the current slot; and,

advancing the current slot to a next slot and repeating until the slots of the page have been processed.

9. (Original): The method of claim 6, further comprising displaying a desired page.

10. (Currently amended): The method of claim 9, wherein displaying a desired page comprises:

determining a page break corresponding to the desired page; and,

laying out the page, including determining how text is to be displayed in each slot of the page.

11. (Currently amended): The method of claim 9, wherein displaying a desired page comprises rendering the desired page for display on a display device.

12. (Currently amended): A computer-implemented method for dynamically paginating a segment of a document of at least text comprising, for each of at least one page of the segment:

pouring text of the segment into a series of predetermined slots of a page organized into at least one column of the page, until the slots of the page have been processed, the text comprises a series of lines, the pouring includes:

determining whether a current line refers to an image;

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upon determining that the current line refers to an image, determining whether the image has sufficient room on the page to fit given already filled slots on the page and resizing scale of the image as necessary; and

upon determining that the image has sufficient room on the page to fit, accommodating the image on the page, decreasing in size subsequent slots on the page as required; and,

denoting a page break.

13. (Currently amended): The method of claim 12, ~~wherein~~ pouring the text into a series of predetermined slots comprises:

from a current position in the text, determining a maximum number of words that fit into a current slot;

advancing the current position in the text to a next word after the maximum number of words that fit into the current slot; and,

advancing the current slot to a next slot and repeating until the slots of the page have been processed.

14. (Currently amended): The method of claim 12, ~~wherein~~ the series of predetermined slots of the page each has a predefined height and a predefined width.

15. (Cancelled).

16. (Currently amended): The method of claim 12 [[15]], ~~wherein~~ upon determining that the image has insufficient room on the page to fit, postponing accommodation of the image to the next page.

17. (Currently amended): The method of claim 12 [[15]], ~~wherein~~ the image has a predetermined position of at least one of: in-line, left justified in current column, right justified in current column, center justified in current column, top of page, vertically center of page, bottom of page, left justified in page, right justified in page, horizontally center of page.

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18. (Currently amended): The method of claim 12, ~~wherein~~ the text is defined as a series of lines and wherein pouring the text comprises:

determining whether a current line refers to a footnote;

upon determining that the current line refers to a footnote, determining whether the footnote has sufficient room on the page to fit, given already filled slots on the page; and,

upon determining that the footnote has sufficient room on the page to fit, accommodating the footnote at a bottom of a column on the page, decreasing in number slots of the column as required.

19. (Currently amended): The method of claim 18, ~~wherein~~ upon determining that the footnote has insufficient room on the page to fit, postponing accommodation of the footnote to a next page.

20. (Currently amended): A machine readable medium having instructions stored thereon for execution by a processor to perform a method comprising:

processing a document of at least text as a plurality of segments, the text forms a sequence of lines;

determining a plurality of page breaks within a predetermined segment;

pouring text of the predetermined segment into a series of predetermined slots of a first page organized into at least one column of the first page until the slots have been processed, the pouring comprising:

determining whether a current line sequence references an image;

ascertaining based at least in part on currently filled slots on the page and a resizing factor whether sufficient room exists on the page to render the image; and

accommodating the image on the page by dynamically reducing subsequent slots on the page;

rendering a predetermined page within the predetermined segment; and,

displaying the predetermined page.

21. (Currently amended): The ~~method medium~~ of claim 20 ~~[[12]]~~, ~~wherein~~ determining a plurality of page breaks within a predetermined segment further comprises:

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~~pouring text of predetermined segment into a series of predetermined slots of a first page organized into at least one column of the first page, until the slots of the first page have been processed;~~

denoting a page break; and,

repeating pouring the text into successive pages and denoting a page break until the text is depleted.

22. (Currently amended): The method ~~medium~~ of claim 20 ~~[[21]]~~, wherein pouring the text into a series of predetermined slots further comprises:

from a current position in the text, determining a maximum number of words that fit into a current slot;

advancing the current position in the text to a next word after the maximum number of words that fit into the current slot; and

advancing the current slot to a next slot and repeating until the slots of the page have been processed.

23. (Currently amended): A machine readable medium having instructions stored thereon for execution by a processor to perform a method comprising:

entering a predetermined segment of the document into memory;

determining each of a plurality of page breaks within the predetermined segment of the document comprising:

pouring text of the predetermined segment into a series of predetermined slots of a page organized into at least one column of the page, until the slots have been processed, the text defined as line sequences, the text forming one or more lines;

identifying whether a current line sequence refers to an image;

based at least in part on previously filled slots and an image rescaling factor,

determining whether ample room exists on the page to insert the image;

reducing content capacity of subsequent slots; and

inserting the image on the page; and,

storing the plurality of page breaks within the predetermined segment of the document in the memory.

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24. (Currently amended): The ~~medium~~ method of claim 23, wherein determining each of a plurality of page breaks within the predetermined segment of the document further comprises:
~~pouring text of the predetermined segment into a series of predetermined slots of a page organized into at least one column of the page, until the slots of the page have been processed;~~
denoting a page break; and,
repeating pouring the text into a next page until finished.
25. (Currently amended): The ~~method~~ medium of claim 23 [[24]], wherein pouring the text into a series of predetermined slots comprises:
from a current position in the text, determining a maximum number of words that fit into a current slot;
advancing the current position in the text to a next word after the maximum number of words that fit into the current slot; and,
advancing the current slot to a next slot and repeating until the slots of the page have been processed.
26. (Currently amended): A machine readable medium having instructions stored thereon for execution by a processor to perform a method comprising:
pouring text of the a segment into a series of predetermined slots of a page organized into at least one column of the page[[.]] until the slots of the page have been processed, the text defined as a series of lines, the pouring including:
determining whether a current line refers to an image;
upon determining that the current line refers to an image, determining whether the image has sufficient room on the page to fit, given already filled slots on the page and resizing scale of the image;
upon determining that the image has sufficient room on the page to fit, and accommodating the image on the page, decreasing in size subsequent slots on the page;
and,
denoting a page break.

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27. (Currently amended): The method ~~medium~~ of claim 26, wherein pouring the text into a series of predetermined slots comprises:

from a current position in the text, determining a maximum number of words that fit into a current slot;

advancing the current position in the text to a next word after the maximum number of words that fit into the current slot; and,

advancing the current slot to a next slot and repeating until the slots of the page have been processed.

28. (Cancelled).

29. (Currently amended): The method ~~medium~~ of claim 26, wherein the text is defined as a series of lines and wherein pouring the text comprises:

determining whether a current line refers to a footnote;

upon determining that the current line refers to a footnote, determining whether the footnote has sufficient room on the page to fit, given already filled slots on the page; and,

upon determining that the footnote has sufficient room on the page to fit, accommodating the footnote at a bottom of a column on the page, decreasing in number slots of the column as required.

30. (Currently amended): An electronic device comprising:

a storage that stores ~~to store~~ a document having a plurality of segments;

a memory that stores ~~to store~~ one of the plurality of segments; and,

a processor that executes ~~to execute~~ a program ~~to determine~~ that determines a plurality of page breaks within the one of the plurality of segments stored in the memory, each page break determined by pouring text of one of the plurality of segments into a series of predetermined slots of a page organized into at least one column of the page until the slots have been processed, the program further establishes whether images are reference by the text, if an image is referenced, the program ascertains based on previously filled slots and an image rescaling factor whether sufficient space exists on the page to insert the image, where sufficient space exists to insert the image, the image is inserted and the slot size of subsequent slots is diminished.

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31. (Currently amended): The device of claim 30, further comprising:
a display device ~~to display that displays~~ a page of the one of the plurality of segments,
wherein the processor ~~[[is]] further to execute~~ executes a second program ~~to render that renders~~
the page ~~to be~~ displayed on the display device.
32. (Cancelled).
33. (Currently amended): The device of claim 30 ~~[[32]]~~, ~~wherein~~ the program is utilized to
pour the text into a series of predetermined slots by:
from a current position in the text, determining a maximum number of words that fit into
a current slot;
advancing the current position in the text to a next word after the maximum number of
words that fit into the current slot; and,
advancing the current slot to a next slot and repeating until the slots of the page have been
processed.